Abstract

METHOD FOR TRACKING FACIAL FEATURES IN A VIDEO SEQUENCE

5   A method (100) of tracking facial features in a video sequence is disclosed. The method

receives (110) as input facial features for tracking in a first frame of the video sequence.

The video sequence is also segmented (120) using spatiotemporal segmentation to

provide a sequence of associated two-dimensional segments, with a first segment in the

sequence of associated two-dimensional segments including the facial features for

10   tracking. Candidate facial features are then identified (140) in at least a second two-

dimensional segment in the sequence of associated segments. Method (100) then verifies

(155) which of the candidate facial features correspond with the facial features for

tracking. Method (100) also recovers lost facial features by using known geometric

relations between facial features.

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